

Serial No. 10/661,191
Atty. Doc. No. 2001P03156WOUS

Amendments To The Claims:

Please amend the claims as shown. Applicants reserve the right to pursue any canceled claims at a later date.

1.-13. (cancelled)

14. (previously presented) A steam power installation, comprising:

a boiler for generating steam;

at least one turbine;

a condenser connected to the turbine on the steam outlet side of the turbine;

a condensate line for feeding condensate from the condenser to the boiler;

a preheating device connected in the condensate line for preheating the condensate,

wherein a bypass line bypassing the preheating device is provided so that the preheating device only receives a first partial flow of the condensate and only the first partial flow is preheated;

a branch line located downstream of the bypass line and connected to the bypass line such that during a low load operation of the turbine an amount of condensate flow is supplied to the preheating device;

a diversion line connected in parallel with the preheating device such that the first partial flow is diverted directly to the boiler when the diversion line is activated and the diversion line is adapted to be activated by a shutoff fitting; and

a bleed flow from the turbine supplied to the preheating device such that a power output of the turbine is controlled by the amount of bleed flow from the turbine.

15. (previously presented) The steam power installation as claimed in claim 14, wherein the preheating device is connected to the turbine via a bleeder line.

16. (previously presented) The steam power installation as claimed in claim 14, wherein the bypass line has a control valve for regulating a second partial flow of the condensate that bypasses the preheating device.

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17. (previously presented) The steam power installation as claimed in claim 15, wherein the bypass line has a control valve for regulating a second partial flow of the condensate that bypasses the preheating device.
18. (previously presented) The steam power installation as claimed in claim 14, wherein the bypass line flows into the condensate line downstream of the preheating device.
19. (previously presented) The steam power installation as claimed in claim 15, wherein the bypass line flows into the condensate line downstream of the preheating device.
20. (previously presented) The steam power installation as claimed in claim 16, wherein the bypass line flows into the condensate line downstream of the preheating device.
21. (previously presented) The steam power installation as claimed in claim 14, wherein the preheating device has at least one heat exchanger.
22. (previously presented) The steam power installation as claimed in claim 15, wherein the preheating device has at least one heat exchange.
23. (previously presented) The steam power installation as claimed in claim 16, wherein the preheating device has at least one heat exchanger.
24. (previously presented) The steam power installation as claimed in claim 18, wherein the preheating device has at least one heat exchanger.
25. (previously presented) The steam power installation as claimed in claim 21, wherein the heat exchanger is a high-pressure preheater.
26. (currently amended) A method for operating a steam power installation, comprising:

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generating a volume of steam in a boiler;

supplying the volume of steam to a turbine;

extracting a first portion of the steam based on a required power output of the turbine and supplying the steam to a preheating unit;

controlling a power output from the turbine by the amount of bleed flow from the turbine supplied to the preheating device;

condensing a remaining second portion of the steam in a condenser after flowing the steam through the turbine;

preheating the condensate steam;

feeding back the condensate steam to the boiler as feed-water;

dividing the condensate into a first partial flow and a second partial flow;

supplying an amount of condensate flow to the preheating unit during low load operation via a branch line located downstream of the bypass line and connected to the bypass;

diverting the first partial flow directly to the boiler through a diversion line connected in parallel with the preheating device and the diversion line is adapted to be activated by a shutoff fitting;

preheating the first partial flow; and

mixing the second partial flow with the first partial flow.

27. (previously presented) The method as claimed in claim 26, wherein the first partial flow is preheated with bleeder steam from the turbine.

28. (previously presented) The method as claimed in claim 26, wherein the first partial flow is preheated in at least two stages.

29. (previously presented) The method as claimed in claim 27, wherein the first partial flow is preheated in at least two stages.

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30. (previously presented) The method as claimed in claim 26, wherein a preheat temperature of the boiler feed-water of 210 °C to 250 °C, in particular 220 °C to 240 °C, is set for the mixing of the partial flows.

31. (previously presented) The method as claimed in claim 26, wherein the first partial flow and the second partial flow are divided in the ratio 0.4 to 0.8, in particular in the ratio 0.6 to 0.7.

32. (previously presented) The method as claimed in claim 26, wherein the division of the partial flows is controlled or regulated.

33. (previously presented) The method as claimed in claim 26, wherein after the mixing of the partial flows, the mixture is fed as boiler feed-water to a fossil-fired steam generator.